Title (en)

MULTI -FREQUENCY IMPEDANCE METHOD AND APPARATUS FOR DISCRIMINATING AND COUNTING PARTICLES EXPRESSING A SPECIFIC MARKER

Title (de)

MULTIFREQUENZ-IMPEDANZVERFAHREN UND VORRICHTUNG ZUR UNTERSCHEIDUNG UND ZÄHLUNG VON EINEN SPEZIFISCHEN MARKER EXPRIMIERENDEN PARTIKELN

Title (fr)

PROCÉDÉ ET APPAREIL À IMPÉDANCE MULTIFRÉQUENCE POUR DISCRIMINER ET DÉNOMBRER DES PARTICULES EXPRIMANT UN MARQUEUR SPÉCIFIQUE

Publication

EP 2438424 A1 20120411 (EN)

Application

EP 10728318 A 20100602

Priority

- IB 2010052460 W 20100602
- EP 09162096 A 20090605
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Abstract (en)

[origin: EP2259045A1] An analysis method for identifying and counting particles expressing a specific antigenic marker is proposed. One example (but not exclusive) is CD4+ T-lymphocyte analysis in blood. The method comprises obtaining a sample comprising particles in suspension, labeling the particles expressing the specific marker with an impedance label, and measuring the labeled sample using a dual frequency system to discriminate at least the labeled particles expressing the specific marker. The method allows an accurate count of particles e.g. the number CD4+ T-lymphocytes in a blood flow. A corresponding device is also provided.

IPC 8 full level

G01N 15/10 (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP KR US)

G01N 15/10 (2013.01 - KR); **G01N 27/02** (2013.01 - KR); **G01N 27/30** (2013.01 - KR); **G01N 33/53** (2013.01 - KR); **G01N 33/56972** (2013.01 - EP US); **G01N 33/585** (2013.01 - EP US); B01L 3/502761 (2013.01 - EP US); G01N 15/1023 (2024.01 - EP US); G01N 2015/011 (2024.01 - EP US); G01N 2015/016 (2024.01 - EP US); G01N 2015/139 (2024.01 - EP US); G01N 2333/70514 (2013.01 - EP US)

Citation (search report)

See references of WO 2010140127A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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